FIG 1

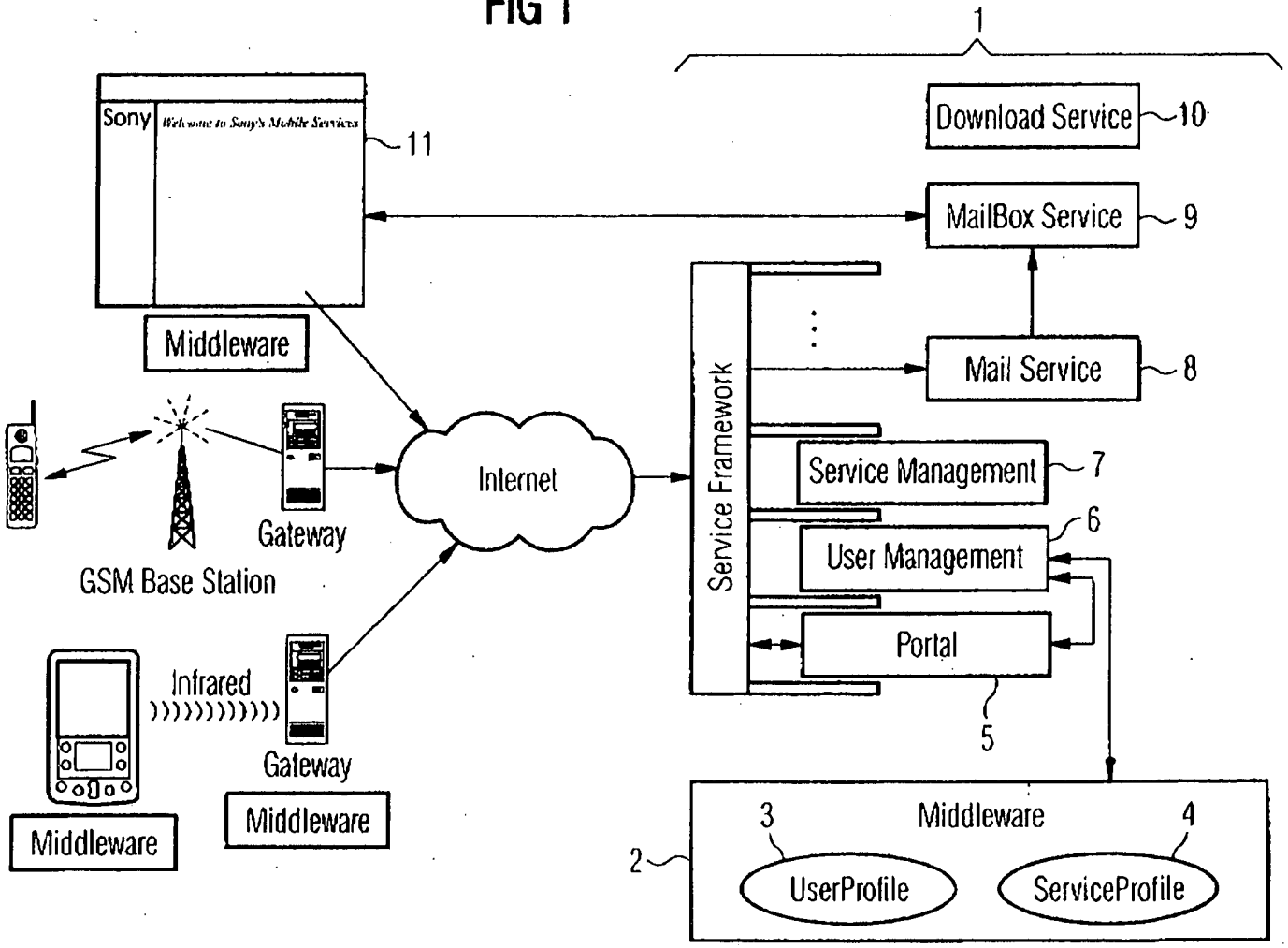
1
Sony
11
Middleware
Download Service
10
MailBox Service
9
Mail Service
8
Service Framework
Service Management
7
User Management
6
Portal
5
Internet
Gateway
GSM Base Station
Infrared
Gateway
Middleware
Middleware
Middleware
3
4
2
UserProfile
ServiceProfile

FIG 2

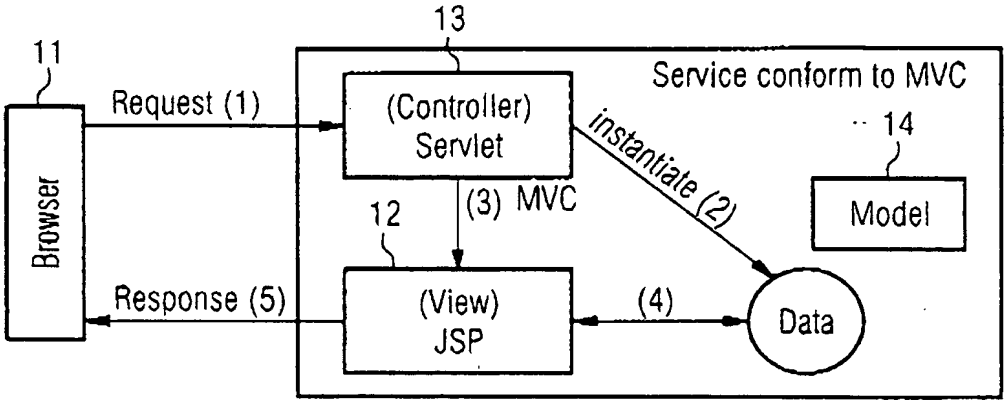
13
11
Service conform to MVC
Request (1)
(Controller)
Servlet
instantiate (2)
14
Browser
(3) MVC
12
Model
Response (5)
(View)
JSP
(4)
Data

FIG 3

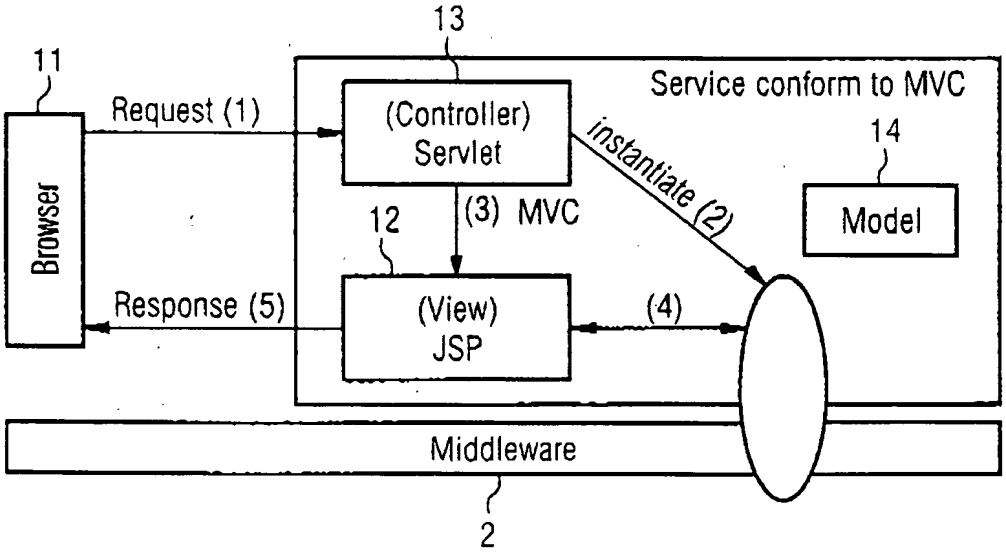
13
11
Service conform to MVC
Request (1)
(Controller)
Servlet
instantiate (2)
14
Browser
(3) MVC
12
Model
Response (5)
(View)
JSP
(4)
Middleware
2

FIG 4

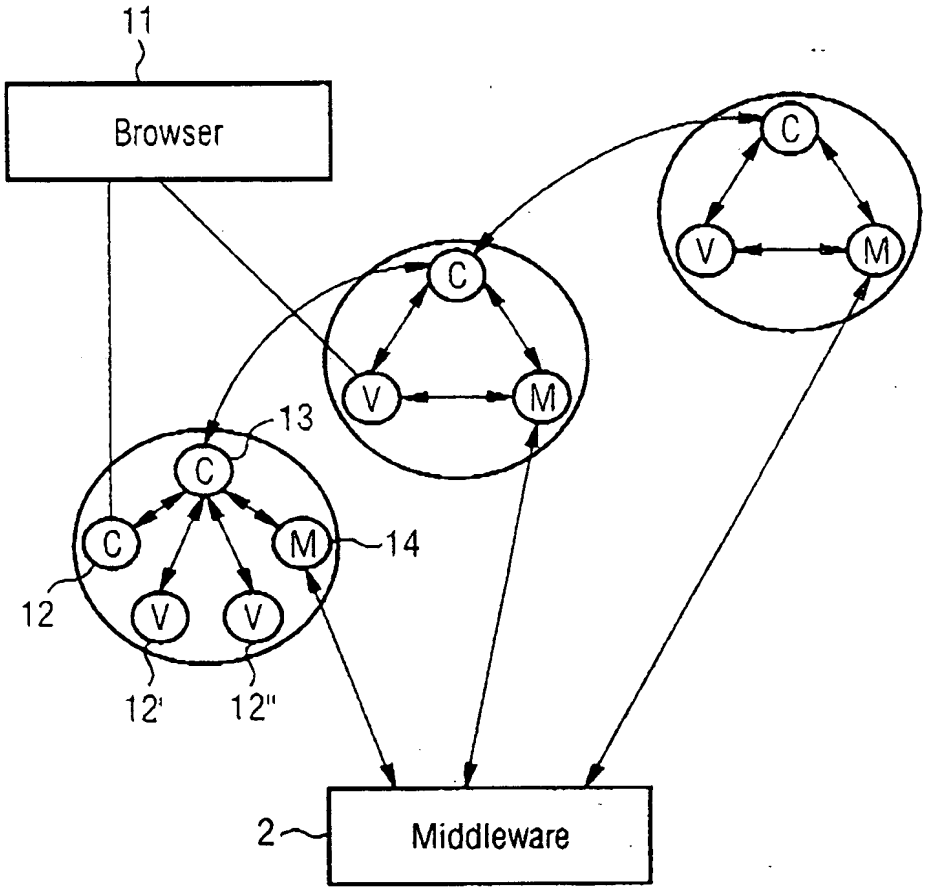

FIG 5

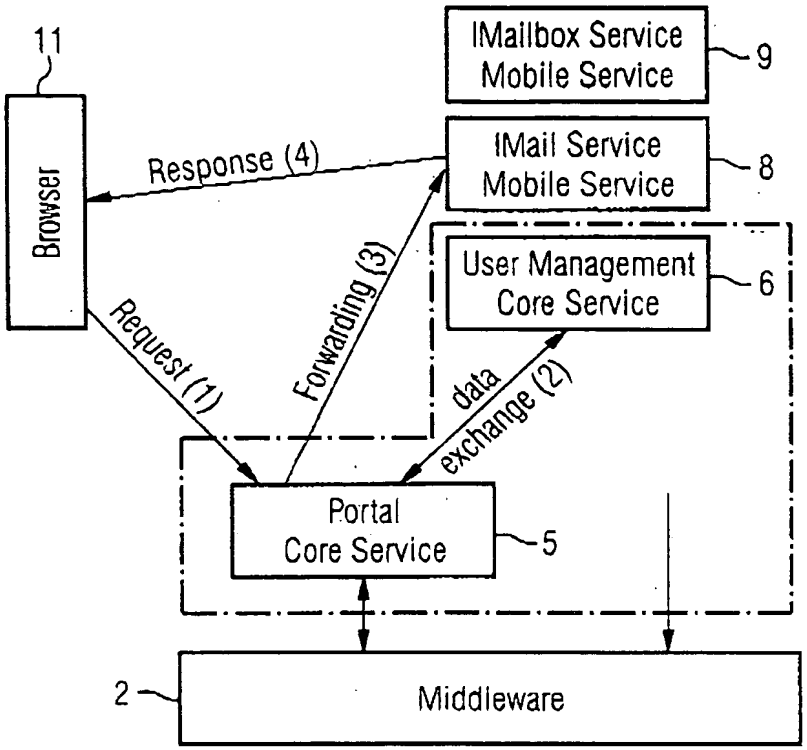


FIG 6

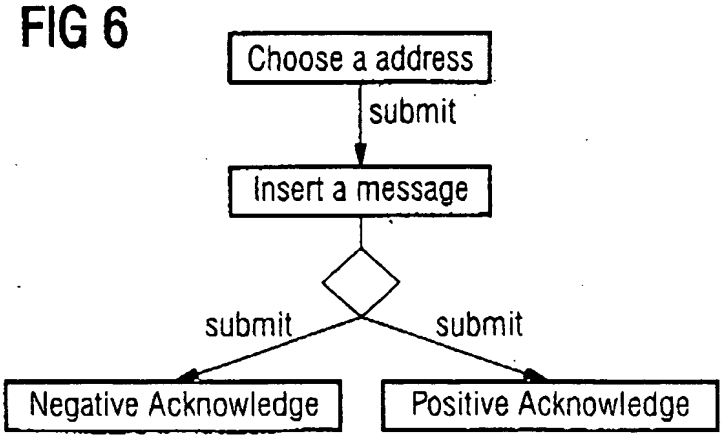


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FIG 7

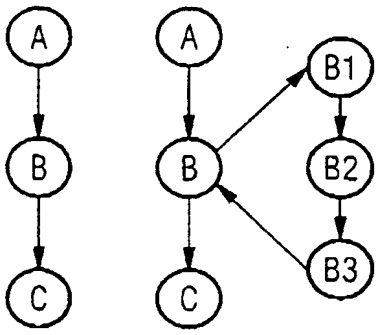
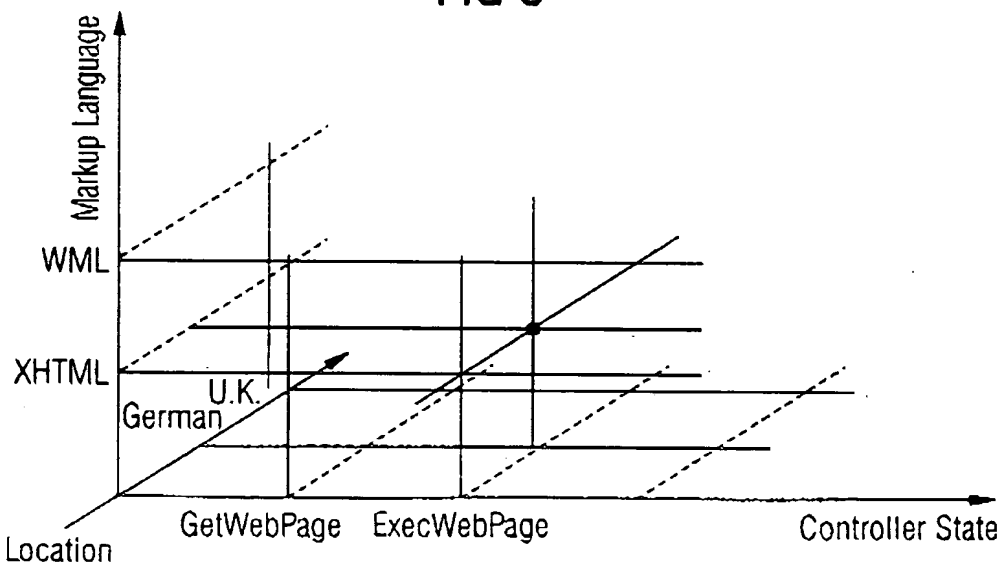

A
B
C
A
B
C
B1
B2
B3

FIG 8


Markup Language
WML
XHTML
U.K.
German
Location
GetWebPage
ExecWebPage
Controller State